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INDEX TO AMERICAN BOTANICAL LITERATURE

1916-1917

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Anderson, J. P. Notes on the flora of Sitka, Alaska. *Proc. Iowa Acad. Sci.* 23: 427-482. *pl.* 16-31. 1916.

Arthur, J. C. Rusts of the West Indies. *Torreyia* 17: 24-27. 8 Mr 1917.

Ayres, A. H. Influence of the composition and concentration of nutrient solution on plants grown in sand cultures. *Univ. Calif. Publ. Agr.* 1: 341-394. *pl.* 5-15. 31 Ja 1917.

Blakeslee, A. F., & Avery, B. T. Adzuki beans and Jimson weed. *Jour. Heredity* 8: 125-131. *f.* 10-14. 27 F 1917.

Boynton, K. R. Notes from the herbaceous collections—I. *Jour. N. Y. Bot. Gard.* 18: 39-42. F 1917.

Briggs, L. J., Jensen, C. A., & McLane, J. W. The mulched-basin system of irrigated *Citrus* culture and its bearing on the control of mottle-leaf. *U. S. Dept. Agr. Bull.* 499: 1-31. *pl.* 1. 12 F 1917.

Britton, E. G. Sullivant Moss Society—1916. Report of the President. *Bryologist* 20: 9, 10. 10 F 1917.

Britton, N. L. Studies of West Indian plants—IX. *Bull. Torrey Club* 44: 1-37. 12 F 1917.

Includes 29 new species in *Cleome* (1), *Chamaecrista* (3), *Leucocroton* (3), *Passiflora* (3), *Rondeletia* (10), *Eriocaulon* (3), *Dupatia* (1), *Pilea* (1), *Ichthyomethia* (1), *Castelaria* (1), and *Stenostomum* (2).

- Broadhurst, J.** Self-pruning in the American elm. *Torrey* **17**: 21-24. *f.* 1, 2. 8 Mr 1917.
- Butler, O.** On the cause of alternate bearing in the apple. *Bull. Torrey Club* **44**: 85-96. *pl.* 1-3 + *f.* 1. 27 F 1917.
- Byars, L. P.** *Tylenchus tritici* on wheat. *Phytopathology* **7**: 56, 57. 7 F 1917.
- Cannon, W. A., & Free, E. E.** The ecological significance of soil aeration. *Science* **45**: 178-180. 23 F 1917.
- Cardiff, I. D.** Twenty-sixth annual report. *Washington Agr. Exp. Sta. Bull.* **136**: 1-66. *f.* 1-17. Ja 1917.
Contains information relating to control of bunt of wheat and notes on other diseases.
- Carrier, L.** The identification of grasses by their vegetative characters. *U. S. Dept. Agr. Bull.* **461**: 1-30. *f.* 1-60. 19 Ja 1917.
- Chamberlain, C. J.** Henry Harold Welch Pearson. *Bot. Gaz.* **63**: 150, 151. *Portrait.* 15 F 1917.
- Chivers, A. H.** The injurious effects of tarvia fumes on vegetation. *Phytopathology* **7**: 32-36. 7 F 1917.
- Clarke, F. W., & Wheeler, W. C.** The inorganic constituents of marine invertebrates. *U. S. Dept. Int. Geol. Surv. Prof. Paper* **102**: 1-56. 1917.
Pages 44-50 deal with chemical composition of calcareous algae.
- Clute, W. N.** The fairy lily. *Am. Bot.* **23**: 1-3. F 1917. [Illust.] *Zephyranthes carinata*.
- [**Clute, W. N.**] Notes and comment. *Am. Bot.* **23**: 24-31. F 1917.
Includes notes on: The Jasmine; The Japanese lady fern; Germination of acorns; Color of *Lilium philadelphicum*; Seedless fruits and pollination.
- [**Clute, W. N.**] Our most fragrant flowers. *Am. Bot.* **23**: 4-8. F 1917.
- Cole, R. D.** Imperfection of pollen and mutability in the genus *Rosa*. *Bot. Gaz.* **63**: 110-123. *pl.* 4-6. 15 F 1917.
- Colley, R. H.** Discovery of internal telia produced by species of *Cronartium*. *Jour. Agr. Research* **8**: 329-332. *pl.* 88. 26 F 1917.
- Conklin, G. H.** Sullivant Moss Society. Report of the hepatic department for 1916. *Bryologist* **20**: 13, 14. 10 F 1917.
- Conner, A. B., & Karper, R. E.** The overlapping of the leaf sheath and its lack of value for descriptive botanical literature. *Science* **45**: 144, 145. 9 F 1917.
- Cook, O. F., & Cook, A. C.** Polar bear cacti. *Jour. Heredity* **8**: 113-120. *f.* 3-8. 27 F 1917.

- Dalbey, N. E.** Corn disease caused by *Phyllachora graminis*. Phytopathology **7**: 55, 56. *f. 1.* 7 F 1917.
- Detwiler, S. B.** The locusts. Identification and characteristics. Am. Forest. **23**: 88-93. F 1917. [Illust.]
- Dorsett, P. H., Shamel, A. D., & Popenoe, W.** The navel orange of Bahia; with notes on some little-known Brazilian fruits. U. S. Dept. Agr. Bull. 445: 1-35. *pl. 1-24 + f. 1.* 10 F 1917.
- Drennan, G. T.** The crape myrtle. Am. Bot. **23**: 20, 21. F 1917. *Lagerstroemia indica*.
- Emerson, R. A.** Genetical studies of variegated pericarp in maize. Genetics **2**: 1-35. *f. 1-4.* Ja 1917.
- Fink, B.** Twenty-five years of advance in botany. Proc. Ohio Acad. Sci. **6**: 309-325. 1916.
- Goodspeed, T. H.** Notes on the Californian species of *Trillium* L.—IV. Teratological variations of *Trillium sessile* var. *giganteum* H. & A. Univ. Calif. Publ. Bot. **7**: 69-100. *pl. 11-17.* 17 Ja 1917.
- Goodspeed, T. H., & Clausen, R. E.** The nature of the F₁ species hybrids between *Nicotiana sylvestris* and varieties of *Nicotiana tabacum*, with special reference to the conception of reaction system contrasts in heredity. Univ. Calif. Publ. Bot. **5**: 301-346. *pl. 37-48.* 17 Ja 1917.
- Grout, A. J.** A fossil *Camptothecium*. Bryologist **20**: 9. *pl. 1.* 10 F 1917.
- Harper, R. M.** A quantitative, volumetric and dynamic study of the vegetation of the *Pinus Taeda* belt of Virginia and the Carolinas. Bull. Torrey Club **44**: 39-57. *f. 1.* 12 F 1917.
- Higgins, B. B.** A disease of pecan catkins. Phytopathology **7**: 42-45. *f. 1, 2.* F 1917.
- Hutchinson, A. H.** Morphology of *Keteleeria Fortunei*. Bot. Gaz. **63**: 124-134. *pl. 7, 8. + f. 1-3.* 15 F 1917.
- Ishikawa, M.** A list of the number of chromosomes. Bot. Mag. Tokyo **30**: 404-448. *f. 1-32.* D 1916.
- Johnston, J. R.** History and cause of the rind disease of sugar cane. Jour. Board Comm. Agr. Porto Rico **1**: 17-45. *pl. 1.* Ja 1917.
- Judd, C. S.** Douglas fir in Hawaii. Hawaiian Forest. & Agr. **13**: 124-127. Ap 1916. [Illust.]
- Judd, C. S.** The first Algaroba and royal palm in Hawaii. Hawaiian Forest. & Agr. **13**: 330-335. S 1916. [Illust.]
- Keitt, G. W.** Peach scab and its control. U. S. Dept. Agr. Bull. 395: 1-66. *pl. 1-6 + f. 1-6.* 18 Ja 1917.

- Knowlton, F. H.** A lower Jurassic flora from the upper Matanuska Valley, Alaska. Proc. U. S. Nat. Mus. **51**: 451-460. *pl.* 79-82. 16 D 1916.
- Lathrop, E. C.** The generation of aldehydes by *Fusarium cubense*. Phytopathology **7**: 14-16. 7 F 1917.
- Long, W. H.** Investigations of the rotting of slash in Arkansas. U. S. Dept. Agr. Bull. 496: 1-14. 16 F 1917.
- Lutz, A. M.** Fifteen- and sixteen-chromosome *Oenothera* mutants. Am. Jour. Bot. **4**: 53-111. *f.* 1-9. 17 F 1917.
- MacCaughey, V.** An annotated reference list of the more common trees and shrubs of the Konahuanui region. Hawaiian Forest. & Agr. **13**: 28-34. Ja 1916.
- MacCaughey, V.** Precinctive flora of Waianae Mountains, Oahu. Hawaiian Forest. & Agr. **13**: 85-89. Mr 1916.
- MacDougal, D. T.** Department of botanical research. Carnegie Inst. Year Book **15**: 51-95. 1916.
- McCubbin, W. A.** Does *Cronartium ribicola* winter on the currant? Phytopathology **7**: 17-31. *f.* 1. F 1917.
- McLean, F. T.** A preliminary study of climatic conditions in Maryland, as related to plant growth. Physiol. Researches **2**: 129-208. *f.* 1-14. F 1917.
- McNair, A. D.** Boiling buffalo clover seed. Science II. **45**: 220, 221. 2 Mr 1917.
Medicago arabica.
- Mell, C. D.** The mahogany tree. Scientific American Suppl. **83**: 136-138. 3 Mr 1917. [Illust.]
- Mell, C. D.** True mahogany. U. S. Dept. Agr. Bull. 474: 1-24. *pl.* 1-3 + *f.* 1-4. 9 F 1917.
- Munger, T. T.** Western yellow pine in Oregon. U. S. Dept. Agr. Bull. 418: 1-48. *pl.* 1-7. 6 F 1917.
- Murrill, W. A.** The Paulownia tree at the Mansion. Jour. N. Y. Bot. Gard. **18**: 31-35. 27 F 1917.
- Osterhout, G. E.** Concerning some species of *Chrysopsis* in Colorado. Torreya **17**: 27. 8 Mr 1917.
- Osterhout, W. J. V.** Tolerance of fresh water by marine plants and its relation to adaptation. Bot. Gaz. **63**: 146-149. 15 F 1917.
- Pierce, R. G.** Albany conference on white pine blister rust. Phytopathology **7**: 54, 55. 7 F 1917.

- [Popenoe, P.] The Texas palmetto. Jour. Heredity 8: 123, 124. f. 9. 27 F 1917.
- Ramaley, F. Soil moisture index. Bot. Gaz. 63: 151, 152. 15 F 1917.
- Ramaley, F. Vascular plants of the Tolland region in Colorado. Univ. Colorado Bull. 17: 27-51. Ja 1917.
- Rand, F. V. Leafspot-rot of pond lilies caused by *Helicosporium nymphaearum*. Jour. Agr. Research 8: 219-232. pl. 67-70. 5 F 1917.
- Rankin, W. H. The penetration of foreign substances introduced into trees. Phytopathology 7: 5-12. f. 1. 7 F 1917.
- Ravn, F. K. Jena Ludwig Jensen. Phytopathology 7: 1-4. Portrait. 7 F 1917.
- Reed, E. L. Meadow vegetation in the montane region of northern Colorado. Bull. Torrey Club 44: 97-109. f. 1. 27 F 1917.
- Rhoads, A. S. Some new or little-known hosts for wood-destroying fungi. Phytopathology 7: 46-48. 7 F 1917.
- Rock, J. F. Preliminary list of plants growing in Mrs. Mary E. Foster's grounds, Nuuanu Avenue, Honolulu. Hawaiian Forest. & Agr. 13: 113-123. pl. 3, 4. Ap 1916.
- Rock, J. F. The sandalwoods of Hawaii. A revision of the Hawaiian species of the genus *Santalum*. Hawaii Board Agr. & Forest. Bot. Bull. 3: 1-43. pl. 1-13. D 1916.
Includes *Santalum Pilgeri* sp. nov.
- Rydberg, P. A. Notes on Rosaceae—XI. Bull. Torrey Club 44: 65-84. 27 F 1917.
Twelve new species are described.
- Schneider, A. Further note on a parasitic Saccharomycete of the tomato. Phytopathology 7: 52, 53. 7 F 1917.
Describes *Nematospora Lycopersici* sp. nov.
- Setchell, W. A. Geographical distribution of the marine algae. Science II. 45: 198-204. 2 Mr 1917.
- Shufeldt, R. W. Early saxifrage, bloodroot, and jack-in-the-pulpit. Am. Forest. 23: 83-87. F 1917.
- Smith, A. M. The early history of the Bryologist and the Sullivant Moss Society. Bryologist 20: 1-8. 10 F 1917.
- Smith, C. O. Sour rot of lemon in California. Phytopathology 7: 37-41. f. 1, 2. 7 F 1917.
- Smith, E. F. Mechanism of tumor growth in crown gall. Jour. Agr. Research 8: 165-188. pl. 4-65. 29 Ja 1917.

- Smith, G. M.** A monograph of the algal genus *Scenedesmus* based upon pure culture studies. Trans. Wisconsin Acad. Sci. **18**: 422-530. *pl.* 25-33. 1916.
Scenedesmus Bernardii sp. nov. is described.
- Smith, G. M.** A preliminary list of algae found in Wisconsin lakes. Trans. Wisconsin Acad. Sci. **18**: 531-565. 1916.
- Spaulding, P.** Notes on *Cronartium comptoniae*—III. Phytopathology **7**: 49-51. 7 F 1917.
- Spaulding, P., Detwiler, S. B., Pettis, C. R., & Metcalf, H.** The white pine blister disease. Am. Forest. **23**: 67-74. F 1917. [Illust.]
- Speare, A. T.** *Sorospora uvella* and its occurrence in cutworms in America. Jour. Agr. Research **8**: 189-194. *pl.* 66 + *f.* 1. 5 F 1917. Preliminary paper.
- Squires, W. A.** The Monterey cypress. Am. Bot. **23**: 8-10. F 1917.
Cupressus macrocarpa.
- Stallard, H.** The origin of *Sphagnum* atolls. New Phytol. **15**: 250-256. D 1916.
- Williams, B.** Some factors influencing nitrogen fixation and nitrification. Bot. Gaz. **62**: 311-317. 17 O 1916.
- Wilson, G. W.** Notes on some pileate Hydnaceae from Iowa. Proc. Iowa Acad. Sci. **23**: 415-422. 1916.
- Wilson, G. W.** *Scleroderma vulgare* and its Iowa allies. Proc. Iowa Acad. Sci. **23**: 411-414. 1916.
- Wilson, P.** *Adoxa Moschatellina*. Addisonia **1**: 41, 42. *pl.* 21. 30 S 1916.
- Wilson, P.** Collecting pollen for hay fever investigations. Jour. N. Y. Bot. Gard. **17**: 157-159. 14 O 1916.
- Wilson, P.** *Tillandsia subluxa*. Addisonia **1**: 77, 78. *pl.* 39. 30 D 1916.
- Wilson, W. J.** Palaeobotany. Sum. Rep. Geol. Surv. Dept. Mines Ottawa **1914**: [1503]: 130-134. 1915; **1915** [1616]: 205-209. 1916.
- Wolden, B. O.** A six-leaved *Dentaria*. Am. Bot. **23**: 18, 19. F 1917.
- Wolf, F. A.** A squash disease caused by *Choanephora cucurbitarum*. Jour. Agr. Research **8**: 319-328. *pl.* 85-87. 26 F 1917.
- Wylie, R. B.** The pollination of *Vallisneria spiralis*. Bot. Gaz. **63**: 135-145. *pl.* 9 + *f.* 1-6. 17 F 1917.
- Zeller, S. M.** Studies in the physiology of the fungi—II. *Lenzites saepiaria* Fries, with special reference to enzyme activity. Ann. Missouri Bot. Gard. **3**: 439-512. *pl.* 8, 9. 12 Ja 1916.
- Zimmerman, H. E.** Natives gathering *Agave* juice for pulque. Am. Bot. **23**: 11, 12. F 1917. [Illust.]